

SECTION 10536
RETRACTABLE AWNINGS

Acrylic Fabric, Aluminum Frame

PART 1 - GENERAL

1.01 RELATED DOCUMENTS:

A. Drawings and general provisions of the contract, including General and Special Conditions, apply to the work of this section.

1.02 DESCRIPTION OF WORK:

A. The extent of awning work is indicated on drawings and by provisions of this section.

1.03 QUALITY ASSURANCE:

A. General: Provide awning units which are complete assemblies and installed by a factory trained, licensed and insured awning contractor. All structural framework and fabric elements are single source responsibility of the awning contractor and manufacturer.

B. Manufacturers Qualifications: Must have been in business under the same name for a minimum of ten (10) years, have a network of one licensed and insured awning contractor dealer per state, be a member of the Professional Awning Manufacturers Association and maintain a TUV certified line of products.

C. Awning Contractor Qualifications: Must have been in business for a minimum of ten (10) years under the same name, licensed to such a standard as indicated by the building department where the work is being applied for and the qualifier must be a partner/owner of the company and be involved in the day to day operations.

D. Special considerations and concessions to be provided to those companies who hold a current CGC, CBC or MFC (Master Fabric Craftsman) license in conjunction with any awning specialty licenses for awning fabrication and/or installation. This concession may be expressed as a 10% above the next highest bidder.

E. Awning contractor must be a member of the Professional Awning Manufacturers Association

F. Awning contractor must supply their current contractor score from <http://www.contractorscore.net/> to be considered for projects. A score of 650 or higher shall be necessary.

1.04 SUBMITTALS:

A. Shop Drawings: Submit shop drawings for all components and application conditions of awning units which are not fully dimensioned or detailed in product data. Show relationships to adjoining work. Provide sections and details at connections and corners. Provide schedule of all units to be furnished, including field measurements at each location.

B Samples: For initial selections, submit product specification sheets, frame color samples and actual fabric samples available for each awning assembly.

1.05 WARRANTY:

A. Awning Contractor to guarantee workmanship from failure for a period of two (2) years.

B. Awning Manufacturer to guarantee fabric seams, both sewn and sealed, for a period of ten (10) years.

C. Awning manufacturer to warranty fabric for a period of ten (10) years from the date of final installation.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS:

- A. Contractors and/or Retractable Awning Manufacturers listed on www.awningresources.com shall be deemed acceptable assuming that prior qualifications are met.
- B. Manufacturer: Manufacturing facility should have TUV certification for complete quality management standards. Manufacturer is subject to compliance with requirements, provide products of the following:

2.02 MATERIALS:

- A. Awning fabric: Woven fabric, made of 100% acrylic solution dyed fibers with a fluorocarbon finish. Typical weight to be approximately 9 oz. per square yard.
- B. All seams to be heat sealed or sewn with a double needle in a lock stitch configuration.
- C. Thread: Clear PTFE single core or braided thread. Size: Minimum of 92
- D. All cables (minimum of two) to be PVC coated stainless or galvanized steel and attached to a minimum of two (2) tensioning springs inside the arms.
- E. Ferrous Frame Metals: All ferrous metals to be galvanized and painted UON.
- F. Non-Ferrous Frame Metals: Aluminum extrusions to be fully painted UON.
- G. Paint: Frames to be Powder Coated using "Tiger Drylac Polyester Powder Coatings" Color to be chosen from standard color chart.
- H. Frame Hardware: All frame hardware to be A2 stainless steel.
- I. Installation Hardware: Galvanized Carbon Steel anchors shall be a pre-assembled wedge/expansion style or sleeve style anchors with a hex head. Components shall be plated according to ASTM specification B63, SCI, Type III. "LOK/BOLT" by Powers Fasteners or approved equal. If within one mile of salt based waters, Stainless Steel anchors as described above shall be used.

2.03 FABRICATION GENERAL:

- A. Manufacturer's Shop Assembly: Preassemble items in shop to greatest extent possible to minimize field splicing and assembly. Disassemble units only as necessary for shipping and handling limitations. Clearly mark units for reassembly and coordinated installation.
- B. Awning Framework: Use materials of size and thickness as required to produce strength and durability in finished product for use intended. Work to dimensions indicated or accepted on shop drawings, using proven details of fabrication and support. Use type of materials indicated or specified for various components of work.
- C. Complete awning units to have TUV certification.

PART 3 - EXECUTION

3.01 INSTALLATION

- A. General: Install awning units in manner indicated to comply with manufacturer's instructions. Position units level, plumb, secure, at proper height and location relative to adjoining window units, openings and other related work. Securely anchor units with proper clips, brackets, anchorages, suited to type of mounting indicated.
- B. Provide adequate clearances between fabric awning framework and structures to permit unencumbered operation of hardware.